(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 6 October 2005 (06.10.2005)

(10) International Publication Number WO 2005/094059 A3

(51) International Patent Classification: *H04N 1/60* (2006.01) *H04N 9/11* (2006.01)

(21) International Application Number:

PCT/US2005/008918

(22) International Filing Date: 17 March 2005 (17.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(**30**) Priority Data: 04364022.6

19 March 2004 (19.03.2004) EP

(71) Applicant (for all designated States except US): TECH-NICOLOR INC. [US/US]; 4050 Lankershim Boulevard, North Hollywood, California 91608 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): YEUNG, Raymond [US/US]; 1506 Corinith #101, Los Angeles, California 90025 (US).

(74) Agents: TRIPOLI, Joseph, S. et al.; Two Independence Way, Suite #200, Princeton, New Jersey 08540 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

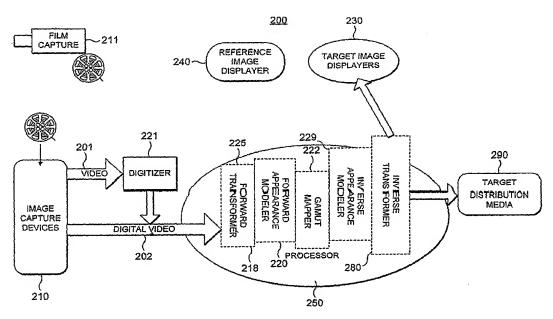
Published:

with international search report

(88) Date of publication of the international search report: 23 March 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM AND METHOD FOR COLOR MANAGEMENT



(57) Abstract: The invention provides a color processing system comprising an image capture device for capturing a scene and providing first color image data representative of the scene. A color space transformer is coupled to the image capture device for transforming the first color image data to second color image data. A first display device is coupled to the color transformer. The first display device displays the scene as represented by the second color image data. The color transformer includes a processor programmed to perform a matrix operation upon the first color image data by selecting matrix elements from a look up table (LUT) comprising pre-computed values.